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On unavoidable hypergraphs. (In English)

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An r -uniform hypergraph H (or an r -graph, for short) is a collection $E = E(H)$ of r -element subsets (called edges) of a set $V = V(H)$ (called vertices). We say an r -graph H is (n, e) -unavoidable if every r -graph with n vertices and e edges must contain H . In this paper we investigate the largest possible number of edges in an (n, e) -unavoidable 3-graph for fixed n and e . We also study the structure of such unavoidable 3-graphs.

Classification:

05C65 Hypergraphs

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unavoidable hypergraphs; edges